

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9	photo\$lumines\$5 with (carbon adj nano\$tube)	US-PGPUB; USPAT	OR	ON	2009/01/02 11:55
L2	9133	(carbon adj nano\$tube)	US-PGPUB; USPAT	OR	ON	2009/01/02 11:55
L3	1968	(carbon adj nano\$tube) and (pd photo\$diod\$2 or photo\$detect\$5 or pd)	US-PGPUB; USPAT	OR	ON	2009/01/02 11:55
L4	1447	(carbon adj nano\$tube) and (pd or photo\$diod\$2 or photo\$detect\$5 or pd) and (ld or led or laser or light adj sourc\$2)	US-PGPUB; USPAT	OR	ON	2009/01/02 11:56
L5	32	(carbon adj nano\$tube) (pd or photo\$diod\$2 or photo\$detect\$5 or pd) (ld or led or laser or light adj sourc\$2 or emit\$5 adj diod \$2)	US-PGPUB; USPAT	SAME	ON	2009/01/02 11:57
L6	66	(carbon adj nano\$tub\$2) (pd or photo\$diod\$2 or photo\$detect\$5 or pd) (ld or led or laser or light adj sourc\$2 or emit\$5 adj diod \$2)	US-PGPUB; USPAT	SAME	ON	2009/01/02 11:57
L7	66	(carbon adj nano\$tub\$2) (pd or photo\$diod\$2 or photo\$detect\$5) (ld or led or laser or light adj sourc \$2 or emit\$5 adj diod\$2)	US-PGPUB; USPAT	SAME	ON	2009/01/02 11:57
L8	66	(carbon adj nano\$tub\$2) (pd or photo\$diod\$2 or photo\$detect\$5) (ld or led or laser or light adj sourc \$2 or emit\$5 adj diod\$2) and l7	US-PGPUB; USPAT	AND	ON	2009/01/02 12:01

L9	22	("20020008445"   "20020074537"   "20020130311"   "20020166620"   "20030148562"   "5401975"   "5597457"   "5689603"   "5705824"   "5714765"   "5903010"   "6059627"   "6128214"   "6153318"   "6280677"   "6333516"   "6355749"   "6413659"   "6423412"   "6423583"   "6430511"   "6751365").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/02 12:19
L12	2	(carbon adj nano\$tub\$2) (pd or photo\$diod\$2 or photo\$detect\$5) (ld or led or laser or light adj sourc \$2 or emit\$5 adj diod\$2) and I9	US-PGPUB; USPAT	AND	ON	2009/01/02 12:20
L14	24	(Tan-Shida\$ Zhang- Yuegang\$).in.	USPAT	OR	ON	2009/01/02 12:46
L15	21	(Tan-Shida\$ Zhang- Yuegang\$).in. and carbon near1 nano\$tub\$3	USPAT	OR	ON	2009/01/02 12:46
L16	55	(Tan-Shida\$ Zhang- Yuegang\$).in. and carbon near1 nano\$tub\$3	US-PGPUB; USPAT	OR	ON	2009/01/02 12:47
L17	3	(carbon adj nano\$tub\$2) (pd or photo\$diod\$2 or photo\$detect\$5) (ld or led or laser or light adj sourc \$2 or emit\$5 adj diod\$2) and I16	US-PGPUB; USPAT	AND	ON	2009/01/02 12:47
L18	7	(carbon adj nano\$tub\$2) (pd or photo\$diod\$2 or photo\$detect\$5 or detect \$5) (ld or led or laser or light adj sourc\$2 or emit\$5 adj diod\$2) and I16	US-PGPUB; USPAT	AND	ON	2009/01/02 12:47
L19	7	(carbon adj nano\$tub\$2) (pd or photo\$diod\$2 or photo\$detect\$5 or detect \$5 or receiev\$5) (ld or led or laser or light adj sourc \$2 or emit\$5 adj diod\$2) and I16	US-PGPUB; USPAT	AND	ON	2009/01/02 12:47

L20	91	("20020011612"   "20020036290"   "20020081794"   "20020166838"   "20020167007"   "20030057486"   "20030085194"   "20030098488"   "20030102497"   "20030111686"   "20030122186"   "20030143791"   "20030151077"   "20030186167"   "20030201458"   "20030227036"   "20040031979"   "20040036118"   "20040036127"   "20040070020"   "20040092062"   "20040092067"   "20040094807"   "20040110097"   "20040119100"   "20040126975"   "20040166642"   "20040180491"   "20040191980"   "20040195624"   "20040198003"   "20040219780"   "20040227187"   "20040238887"   "20040256647"   "20040262683"   "20040262699"   "20050035415"   "20050118790"   "20050127362"   "20050145941"   "20050156171"   "20050224797"   "20050224800"   "4906589"   "5124777"   "5338959"   "5346839"   "5466621"   "5545586"   "5563077"   "5578513"   "5658806"   "5701016"   "5716879"   "5793088"   "5827769"   "5888309"   "5905285"   "6163053"   "6252284"   "6307235"   "6376317"   "6383882"   "6396108"   "6407442"   "6413802"   "6413877"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/02 12:55
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		"6475869"   "6475890"   "6483156"   "6515339"   "6525403"   "6562665"   "6611029"   "6635909"   "6645797"   "6680240"   "6706571"   "6709982"   "6713396"   "6716684"   "6716690"   "6730964"   "6756657"   "6764884"   "6790733"   "6794313"   "6835618"   "6858478"   "6884154"   "6921982"). PN.				
L21	2	(carbon adj nano\$tub\$2) (pd or photo\$diod\$2 or photo\$detect\$5 or detect \$5 or receiev\$5) (ld or led or laser or light adj sourc \$2 or emit\$5 adj diod\$2) and I20	US-PGPUB; USPAT	AND	ON	2009/01/02 12:55
L22	2	(O'Keeffe-James\$ Cho- Kyeongjae\$).in.	US-PGPUB; USPAT	AND	ON	2009/01/02 12:58
L23	17	(O'Keeffe-James\$ Cho- Kyeongjae\$).in.	US-PGPUB; USPAT	OR	ON	2009/01/02 12:59
L24	3	(carbon adj nano\$tub\$2) (pd or photo\$diod\$2 or photo\$detect\$5 or detect \$5 or receiev\$5) (ld or led or laser or light adj sourc \$2 or emit\$5 adj diod\$2) and I23	US-PGPUB; USPAT	AND	ON	2009/01/02 12:59
L25	2195	(carbon adj nano\$tub\$2) and (photo\$diod\$2 or photo \$detect\$5 or pd) and (ld or led or laser or light adj sourc\$2)	US-PGPUB; USPAT	OR	ON	2009/01/02 13:25
L26	7018786	(carbon adj nano\$tub\$2) and (photo\$diod\$2 or photo \$detect\$5 or pd) and (ld or led or laser or light adj sourc\$2) @pd<"20020628"	US-PGPUB; USPAT	OR	ON	2009/01/02 13:27
L27	77	(carbon adj nano\$tub\$2) and (photo\$diod\$2 or photo \$detect\$5 or pd) and (ld or led or laser or light adj sourc\$2) and @pd<"20020628"	US-PGPUB; USPAT	OR	ON	2009/01/02 13:27
L28	43	(carbon adj nano\$tub\$2) and (photo\$diod\$2 or photo \$detect\$5) and (ld or led or laser or light adj sourc \$2) and @pd<"20020628"	US-PGPUB; USPAT	OR	ON	2009/01/02 13:27

L29	154	(carbon adj nano\$tub\$2) and (photo\$diod\$2 or photo \$detect\$5 or detect\$5 or receiv\$5) and (ld or led or laser or light adj sourc\$2) and @pd<"20020628"	US-PGPUB; USPAT	OR	ON	2009/01/02 13:28
L30	115	(carbon adj nano\$tub\$2) and (photo\$diod\$2 or photo \$detect\$5 or detect\$5 or ((optic\$2 or light) near1 receiv\$5)) and (ld or led or laser or light adj sourc\$2) and @pd<"20020628"	US-PGPUB; USPAT	OR	ON	2009/01/02 13:43
L31	115	(carbon adj nano\$tub\$2) and (photo\$diod\$2 or photo \$detect\$5 or detect\$5 or ((optic\$2 or light) near1 receiv\$5)) and (ld or led or laser or ((optic\$2 or light) near1 sourc\$2)) and @pd<"20020628"	US-PGPUB; USPAT	OR	ON	2009/01/02 13:44
L32	25	(US-20020181894-\$ or US- 20020086335-\$ or US- 20030168385-\$ or US- 20020160111-\$ or US- 20030098488-\$ or US- 20040021185-\$ or US- 20050207965-\$ or US- 20020081397-\$ or US- 20020063212-\$ or US- 20020053801-\$ or US- 20020053257-\$ or US- 20020014999-\$).did. or (US-7269357-\$ or US- 7151894-\$ or US-6724993- \$ or US-6678477-\$ or US- 6446867-\$ or US-6959007- \$ or US-6574130-\$ or US- 6682663-\$ or US-6649946- \$ or US-6755530-\$ or US- 7385262-\$ or US-6207369- \$ or US-6090545-\$).did.	US-PGPUB; USPAT	OR	ON	2009/01/02 15:13
L33	8	(carbon adj nano\$tub\$2) and (photo\$diod\$2 or photo \$detect\$5 or detect\$5 or ((optic\$2 or light) near1 receiv\$5)) and (ld or led or laser or ((optic\$2 or light) near1 sourc\$2)) and l32 and (switch\$5)	US-PGPUB; USPAT	OR	ON	2009/01/02 15:14

L34	2086	(carbon adj nano\$tub\$2) and (photo\$diod\$2 or photo \$detect\$5 or detect\$5 or ((optic\$2 or light) near1 receiv\$5)) and (ld or led or laser or ((optic\$2 or light) near1 sourc\$2)) and (switch\$5)	US-PGPUB; USPAT	OR	ON	2009/01/02 15:47
L35	99	(carbon adj nano\$tub\$2) (photo\$diod\$2 or photo \$detect\$5 or detect\$5 or ((optic\$2 or light) near1 receiv\$5)) and (ld or led or laser or ((optic\$2 or light) near1 sourc\$2)) (switch\$5)	US-PGPUB; USPAT	SAME	ON	2009/01/02 15:48
L36	10	(carbon adj nano\$tub\$2) (photo\$diod\$2 or photo \$detect\$5 or detect\$5 or ((optic\$2 or light) near1 receiv\$5)) (ld or led or laser or ((optic\$2 or light) near1 sourc\$2)) (switch\$5)	US-PGPUB; USPAT	SAME	ON	2009/01/02 15:48
L37	251	(Dai-Hongjie\$ Chen-Robert \$.in.	US-PGPUB; USPAT	OR	ON	2009/01/02 15:55
L38	68	(carbon adj nano\$tub\$2) (photo\$diod\$2 or photo \$detect\$5 or detect\$5 or ((optic\$2 or light) near1 receiv\$5)) (ld or led or laser or ((optic\$2 or light) near1 sourc\$2)) (switch\$5) and l37	US-PGPUB; USPAT	AND	ON	2009/01/02 15:55
L39	18	(carbon adj nano\$tub\$2) (photo\$diod\$2 or photo \$detect\$5 or detect\$5 or ((optic\$2 or light) near1 receiv\$5)) (ld or led or laser or ((optic\$2 or light) near1 sourc\$2)) (switch\$5) and "6528020"	US-PGPUB; USPAT	AND	ON	2009/01/02 16:09
S213	9	(photoluminesc\$4 with (carbon near1 nano\$tube))	US-PGPUB; USPAT	OR	ON	2008/12/29 23:19
S214	9	(photo\$luminesc\$4 with (carbon near1 nano\$tube))	US-PGPUB; USPAT	OR	ON	2008/12/29 23:21
S215	578	(carbon near1 nano\$tube) (ld or laser or laser adj diod \$2)	US-PGPUB; USPAT	WITH	ON	2008/12/29 23:23
S216	17	(carbon near1 nano\$tube) (ld or laser or laser adj diod \$2) (photo\$diod\$2 or pd or photo\$detect\$5 or detect \$5)	US-PGPUB; USPAT	WITH	ON	2008/12/29 23:27

S217	81	(carbon near1 nano\$tube) (ld or laser or laser adj diod \$2) (photo\$diod\$2 or pd or photo\$detect\$5 or detect \$5)	US-PGPUB; USPAT	SAME	ON	2008/12/29 23:31
S218	94	(carbon near1 nano\$tube) (ld or led or laser or laser adj diod\$2) (photo\$diod\$2 or pd or photo\$detect\$5 or detect\$5)	US-PGPUB; USPAT	SAME	ON	2008/12/29 23:33
S223	12	(US-20020181894-\$ or US-20020086335-\$ or US-20030168385-\$).did. or (US-7269357-\$ or US-7151894-\$ or US-6724993-\$ or US-6678477-\$ or US-6446867-\$ or US-6959007-\$ or US-6574130-\$ or US-6682663-\$ or US-6649946-\$).did.	US-PGPUB; USPAT	OR	ON	2008/12/29 23:42
S224	3	(carbon near1 nano\$tube) (ld or led or laser or laser adj diod\$2) (photo\$diod\$2 or pd or photo\$detect\$5 or detect\$5) and S223	US-PGPUB; USPAT	AND	ON	2008/12/29 23:42
S227	167	(nano\$tube) (ld or led or laser or laser adj diod\$2) (photo\$diod\$2 or pd or photo\$detect\$5 or detect \$5)	US-PGPUB; USPAT	SAME	ON	2008/12/29 23:51
S228	14	("5201992"   "5346683"   "5393647"   "5424054"   "5457343"   "5611942"   "5747120"   "5763768"   "5866434"   "5877412"   "5916642"   "5986256"   "6002471"   "6159742"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/29 23:55
S236	1761	(data\$acquisition or daq or das) and rms filter	US-PGPUB; USPAT	AND	ON	2008/12/30 11:00
S237	42	(data\$acquisition or daq or das) and rms (dc or ac) near filter\$4	US-PGPUB; USPAT	AND	ON	2008/12/30 11:00

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